TDRs required for dried products with nitrates >2.0%

Approved

	Approved		
	TEMPORARY DEVIATION REQUEST PRODUCT	TDR NUMBER	081TDR16
Product Description	Cu 1949P	Code No	56213324
Customer/Application	Godrej (Cu 1950P)	 Originated By	J Pettry
Lot No. Or Period Covered	EL00833	Required Date	06/15/2016
Quantity	20,000lbs	 Department	Copper
Туре	Elyria		

Person(s) Consulted

EVALUATOR TITLE	Status	
Product Engineer Jack Pettry	Approved - 06/15/2016 by Jack Pettry	
Manufacturing Manager Leon Zavodnik	Approved - 06/15/2016 by Abdallah Ahmed	
Quality Manager David A Solyom	Approved - 06/14/2016 by David A Solyom	

STANDARD DEVIATION		DEVIATION CONDITION				
Lot Number						
TDR Request Number						
Property Spec.						
NO3 <2.0%	2.17%					

Assi	Assignable Condition									
Is	Issues with belt filter.									
Corr	Corrective Action									
	Belt cloth was replaced and washing conditions adjusted to lower NO3 level. When material is fed to the calciner rate will be lowered to 300lbs per hour max. 2.17% NOx calculates out to 326lbs/hour to stay 10lbs/day NOx emmision. 300lbs/hr will keep up well below that level.									
Mate	erial Disposition (If app	licable)								
ι	Jse as is									
Com	Comments									
1-										
					%NO3 in	Hours of				
-	Total Dried Calcination @350 Max Calcined Rate Hours of Calcination									
_	Dried Powder Lot Tote ID Dried Wt Powder Ibs/hr Based On 24 Hours @ Max Rate									
	Cu 1949P	EL00833	1-5	20000	2.17	43	326	46		
	Cu 1949P	EL00834	1-4	16000	1.86	34	380	32		

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The Chemical Company

	Approved		
	TEMPORARY DEVIATION REQUEST PRODUCT	TDR NUMBER	084TDR16
Product Description	Cu 1949P	Code No	56213324
Customer/Application	Godrej (Cu 1950)	Originated By	J Pettry
Lot No. Or Period Covered	EL00835	Required Date	06/15/2016
Quantity	20000	Department	copper
Туре	Elyria		
Person(s) Consulted			

EVALUATOR TITLE	Status	
Product Engineer	Approved - 06/15/2016 by Jack Pettry	
Jack Pettry		
Manufacturing Manager Leon Zavodnik	Approved - 06/16/2016 by Abdallah Ahmed	
Quality Manager David A Solyom	Approved - 06/16/2016 by David A Solyom	

STANDARD DEVIATION		DEVIATION CONDITION				
Lot Number	EL00835					
TDR Request Number						
Property Spec.						
NO3 MF <2.0%	2.17					

Assignable Condition

The beltfilter washing was increased on this lot. This is most likely the NO3 level we can expect for this product.

16000

20000

Corrective Action

When material is fed to the calciner, the rate will be lowered to 300lbs/hour max. 2.17% NOx calculates out to 326lbs/hour to remain below 10lbs/day NOx emmision. 300lbs/hr will keep up well below that level.

Material Disposition (If applicable)

Cu 1949P

Cu 1949P

EL00834

EL000835

1-4

1-5

Use as is Comments

Hours of %NO3 in Calcination @350 Total Dried Max Calcined Rate **Hours of Calcination Dried Powder** Lot Tote ID @ Max Rate Dried Wt Powder lbs/hr **Based On 24 Hours** Cu 1949P EL00833 20000 1-5 43 326 46 2.17

34

43

380

326

#DIV//O!

32

46

#DIV//AL

1.86

2.17

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	Approved		
	TEMPORARY DEVIATION REQUEST PRODUCT	TDR NUMBER	system will assign
Product Description	Cu 1819P	Code No	56213589
Customer/Application		Originated By	J Pettry
Lot No. Or Period Covered	EL00206	Required Date	08/31/2016
Quantity	18,500lbs	Department	pill room
Туре	Elyria		

Person(s) Consulted

EVALUATOR TITLE	Status	
Product Engineer Jack Pettry	Approved - 08/31/2016 by Jack Pettry	
Manufacturing Manager Leon Zavodnik	Approved - 08/31/2016 by Abdallah Ahmed	
Quality Manager David A Solyom	Approved - 08/31/2016 by David A Solyom	

STANDARD DEVIATION		DEVIATION CONDITION				
Lot Number	206					
TDR Request Number						
Property Spec.						
NO3 target <2.0%	2.6, 3.0					

Assignable Condition

The lot was analyzed twice. The results were 2.6 and 3.0%. We are testing dried lots since there is variation inthe wash process on beltfilter.

Corrective Action

The calciner rate will be adjusted accordingly.

Material Disposition (If applicable)

Use as is

Comments